

B56

ELECTROPHORECTIC DISPLAY DEVICE

Patent Number: JP1177517
Publication date: 1989-07-13
Inventor(s): OSHIMA TATSUYA
Applicant(s):: KINSEKI LTD
Requested Patent: ☐ JP1177517
Application Number: JP19880001758 19880106
Priority Number(s):
IPC Classification: G02F1/19 ; G09F9/37
EC Classification:
Equivalents:

Abstract

PURPOSE: To eliminate unequal displays and to extend the life of the title display device by providing plural pieces of thin wall parts which extend from a substrate side electrode so as to exist near to a display side electrode, thereby preventing settlement of electrophoretic particles.

CONSTITUTION: A dispersant 11 such as a tetrachlorofluoroethane system or the like colored by ink or paint, etc., and the electrophoretic particles 12 of titanium oxide, etc., are dispersed uniformly in the housing of the electrophoretic display device 100. Plural pieces of the thin wall parts 16 which extend from the substrate side electrode 15 so as to exist near to the display side electrode 14 opposite thereto are provided. However, the cells are not completely divided and are not connected near the display side electrode 14. The settling speed of the electrophoretic particles 12 is then relieved by the respective cells. The unequal displays are thereby decreased and the life of the display device is extended.

Data supplied from the esp@cenet database - 12